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|-------|---|----|---|---------------------|-----------------|
| Sheet | 1 | of | 1 | Attorney Docket No. | 54704.8042.US01 |
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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

01/22/04

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FORM: PTO-1449

ATTY. DOCKET NO.

SERIAL NO.

270/275

10/056,998

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

APPLICANT:

Michael G. Dunn et al.

FILING DATE:

January 25, 2002

GROUP:

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|----|-----------------|------|------|-------|--------------|----------------|
|                     | AA |                 |      |      |       |              |                |
|                     | AB |                 |      |      |       |              |                |
|                     | AC |                 |      |      |       |              |                |
|                     | AD |                 |      |      |       |              |                |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION<br>YES NO |
|---------------------|----|-----------------|------|---------|-------|--------------|-----------------------|
|                     | AE |                 |      |         |       |              |                       |
|                     | AF |                 |      |         |       |              |                       |
|                     | AG |                 |      |         |       |              |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
|--|----|--|
|  | AH | Chvapil M, Kronenthal RL, Winkel WV. Medical and surgical applications of collagen. In: Hall D, Jackson D, eds. International review of connective tissue research. New York: Academic Press; 1973. p 1-61                         |
|  | AI | Stenzel KH, Miyata T, Rubin AL. Collagen as a biomaterial. Ann Rev Biophys Bioeng 1974;3:231-253   |
|  | AJ | Miyata T, Taira T, Noishiki Y. Collagen engineering for biomaterial use. Clin Mater 1992;9:139-148   |
|  | AK | Rault I, Frei V, Herbage D, Abdul-Malak N, Huc A. Evaluation of different chemical methods for cross-linking collagen gel, films and sponges. J Mater Sci Mater Med 1996;7:215-221   |
|  | AL | Yannas IV. Natural Materials. In: Ratner BD, Hoffman AS, Schoen FJ, Lemons JE, eds. Biomaterial science: An introduction to materials in medicine. San Diego: Academic Press; 1996. p 84-94  |
|  | AM | Weadock K, Olsen RM, Silver FH. Evaluation of collagen crosslinking techniques. Biomat Med Dev Art Org 1984;29:1373-1379   |
|  | AN | Nimni ME, Cheung D, Strates B, Kodama M, Sheik K. Bioprosthesis derived from crosslinked and chemically modified collagenous tissues. In: Nimni ME, eds. Collagen, Vol. III: Biotechnology. Florida: CRC Press, Inc.; 1988. p 1-37 |
|  | AO | Simmons DM, Kearney JN. Evaluation of collagen crosslinking techniques for the stabilization of tissue matrices. Biotechnol Appl Biochem 1993;17:23-29   |
|  | AP | Khor E. Methods for the treatment of collagenous tissues for bioprostheses. Biomaterials 1997;18(2):95-105   |
|  | AQ | Yannas IV, Tobolsky AV. Crosslinking of gelatine by dehydration. Nature 1967;215:509-510   |

EXAMINER:

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01/22/04

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| FORM: PTO-1449   | ATTY. DOCKET NO.<br>270/275                 | SERIAL NO.<br>10/056,998 |
| <b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S<br/>INFORMATION DISCLOSURE STATEMENT</b><br>(Use several sheets if necessary) | <b>APPLICANT:</b><br>Michael G. Dunn et al. |                          |
|  | <b>FILING DATE:</b><br>January 25, 2002     | <b>GROUP:</b>            |

|    |   |
|----|---|
| AR | Rubin AL, Riggio RR, Nachman RL, Schwartz GH, Miyata T, Stenzel KH. Collagen materials in dialysis and implantation. Trans Amer Soc Artif Int Organs 1968;14:169-175  |
| AS | Gorham SD, Light ND, Diamond AM, Willins MJ, Bailey AJ, Wess TJ, Leslie NJ. Effect of chemical modifications on the susceptibility of collagen to proteolysis. II. Dehydrothermal crosslinking. Int J Biol Macromol 1992;14:129-138 |
| AT | Huang-Lee LH, Cheung DT, Nimni ME. Biochemical changes and cytotoxicity associated with the degradation of polymeric glutaraldehyde derived crosslinks. J Biomed Mater Res 1990;24:1185-1201  |
| AU | Waddock KS, Miller EJ, Bellincampi LD, Zawadsky JP, Dunn MG. Physical crosslinking of collagen fibers: comparison of ultraviolet irradiation and dehydrothermal treatment. J Biomed Mater Res 1995;29:1373-1379                     |
| AV | Waddock KS, Miller EJ, Keuffel EL, Dunn MG. Effect of physical crosslinking methods on collagen-fiber durability in proteolytic solutions. J Biomed Mater Res 1996;32:221-226   |
| AW | Fu M-X, Wells-Knecht KJ, Blackledge JA, Lyons TJ, Thorpe SR, Baynes JW. Kinetics, mechanisms, and inhibition of late stages of the maillard reaction. Diabetes 1994;43:676-683  |
| AX | Vlassara H, Bucula R, Striker L. Pathogenic effects of advanced glycosylation: biochemical, biologic, and clinical implications for diabetes and aging. Lab Invest 1994;70(2):138-151   |
| AY | Monnier VM, Glomb M, Elgawish A, Sell DR. The mechanism of collagen cross-linking in diabetes. Diabetes 1996;45(S67-S72)  |
| AZ | Sajithal GB, Chithra P, Chandrakasan G. Advanced glycation end products induce crosslinking of collagen in vitro. Biochim Biophys Acta 1998;1407:215-224  |
| BA | Girton TS, Oegema TR, Tranquillo RT. Exploiting glycation to stiffen and strengthen tissue equivalents for tissue engineering. J Biomed Mater Res 1999;46:87-92   |
| BB | Fujimori E. Cross-linking and fluorescence changes of collagen by glycation and oxidation. Biochim Biophys Acta 1989;998:105-110  |
| BC | Baynes JW. Role of oxidative stress in development of complications in diabetes. Diabetes 1991;40:405-412   |
| BD | Chace KV, Carubelli R, Nordquist RE. The role of nonenzymatic glycosylation, transition metals, and free radicals in the formation of collagen aggregates. Arch Biochem Biophys 1991;288(2):473-480                                 |
| BE | Elgawish A, Glomb M, Friedlander M, Monnier VM. Involvement of hydrogen peroxide in collagen cross-linking by high glucose in vitro and in vivo. J Biol Chem 1996;271(22):12964-12971   |
| BF | Carbonare MD, Pathak MA. Skin photosensitizing agents and the role of reactive oxygen species in photoaging. J Photochem Photobiol B: Biol 1992;14:105-124  |
| BG | Ryu A, Naru E, Arakane K, Masunaga T, Shinmoto K, Nagano T, Hirobe M, Mashiko S. Cross-linking of collagen by singlet oxygen generated with UV-A. Chem Pharm Bull 1997;45(8):1243-1247  |
| BH | Koide T, Daito M. Effects of various collagen crosslinking techniques on mechanical properties of collagen film. Dent Mat J 1997;16(1):1-9  |
| BI | Kuntz E. Studies on mechanism of photosensitized crosslinking of collagen. Radiation Research 1962;16:568   |
| BJ | Bailey AJ, Rhodes DN, Cater CW. Irradiation-induced crosslinking of collagen. Radiation Research 1964;22:606-621  |
| BK | Hans S, Blumenfeld O, Seifter S. Specific identification of collagens and their fragments by clostidial collagenase and anti-collagenase antibody. Anal Biochem 1992;201:336-342  |
| BL | Wolff SP, Dean RT. Fragmentation of proteins by free radicals and its effect on their susceptibility to enzymic hydrolysis. Biochem J 1986;234:399-403  |

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| EXAMINER: <i>Isis Ghali</i>  | DATE CONSIDERED: <i>01/22/04</i> |
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|  | FILING DATE:<br>January 25, 2002     | GROUP:                   |

|    |   |
|----|---|
| BM | Stryer L. Biochemistry. 3rd ed. New York City, W.H. Freeman and Company   |
| BO | Bunn HF, Higgins PJ. Reaction of monosaccharides with proteins: possible evolutionary significance. Science 1981;213:222-224  |
| BP | Wolff SP, Dean RT. Glucose autoxidation and protein modification: the potential role of autoxidative glycosylation in diabetes. Biochem J 1987;245:243-250  |
| BQ | Tian S-F, Toda S, Higashino H, Matsumura S. Glycation decreases the stability of the triple-helical strands of fibrous collagen against proteolytic degradation by pepsin in a specific temperature range. J Biochem 1996;120:1153-1162 |
| BR | Curran SF, Amoroso MA, Goldstein BD, Berg RA. Degradation of soluble collagen by ozone or hydroxyl radicals. FEBS 1984;176(1):155-160   |
| BS | Davies KJA. Protein Damage and Degradation by Oxygen Radicals. J Biol Chem 1987;262(20):9895-9901   |
| BT | Yu BP. Cellular defenses against damage from reactive oxygen species. Physiological Reviews 1994;74(1):139-162  |
| BU | Monnier VM, Kohn RR, Cerami A. Accelerated age-related browning of human collagen in diabetes mellitus. Proc Natl Acad Sci 1984;81:583-587  |
| BV | Brownlee M, Vlassara H, Kooney A, Ulrich P, Cerami A. Aminoguanidine prevents diabetes-induced arterial wall protein cross-linking. Science 1986;232:1629-1632  |
| BW | Miles C, Sionkowska A, Hulin S, Sims T, Avery N, Bailey A. "Identification of an intermediate state in the helix-coil degradation of collagen by ultraviolet light," J Biolog Chem, 275,(42):33014-33020 (2000.)                        |
| BX | Friess W. "Collagen- Biomaterial for drug delivery" Eur J Pharm Biopharm, 45:113-136 (1998.)  |
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